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ERSNEWSLETTER

A Bimonthly Newsletter for Economic Research Service Employees and Colleagues

U.S. DEPARTMENT OF AGRICULTURE WASHINGTON, DC

VOLUME 6, NUMBER 5 OCTOBER/NOVEMBER 1988



ERS Well Represented at AAEA Annual Meeting

At the annual meeting of the American Agricultural Economics Association (AAEA) in Knoxville, Tenn., July 29 – August 3, ERS staff participated as follows:

Invited paper authors: Stan Daberkow, Katherine Reichelderfer, and Nancy Schwartz.

Selected paper authors: Kenneth Algozin, Klaus Alt (2), Carlos Arnade, Douglas Brooks, Daniel Colacicco (2), Bradley Crowder, Stephen Crutchfield, Michael Dicks, Brian D'Silva, John Dyck, Beverly Fleisher, Gregory Gaiewski, Walter Gardiner, Joseph Glauber, Noel Gollehon (2), Robert Green, Deano Hagerman, Stephen Haley, Charles Handy, Thomas Hebert, Ralph Heimlich, Thomas Holmes, Wen Huang (2), Bengt Hyberg, Ronald Jeremias, Sally Kane, Phillip Kaufman, Barry Krissoff, Suchada Langley, Bruce Larson, Hyunok Lee, Dale Leuck, Donald Negri, Frederick Nelson, Mark Newman, Clayton Ogg, Timothy Osborn (2), William Quinby, John Reilly, Marc Ribaudo, Tanya Roberts, Parveen Setia (visiting scholar from U. of Illinois), Mathew Shane, Robbin Shoemaker, Amy Sparks, Felix Spinelli, John Sutton,

Philip Szmedra, Fawzi Taha, De Vo, and James Zellner.

Symposia organizers, moderators, and presiders: Mary Ahearn, John Lee, Lester Myers, David Skully, John Sutton, and Mark Weimar

Symposia paper presenters: Mary Ahearn, Robert Bohall, Cheryl Christensen, Joy Harwood, Bruce Larson, David Smallwood, David Stallings, and John Sutton.

Session presiders: Kenneth Baum, David Ervin, Anthony Grano, Suchada Langley, Hyunok Lee, John Lee, Michael Moore, and Nancy Schwartz.

Session and panel discussants: Kenneth Clayton, Brian Johnston (on leave from the Bureau of

[Continued on back page.]



XX ICAE Conference Held

"Agriculture and Governments in an Interdependent World" was the theme of the XX International Conference of Agricultural Economists, Buenos Aires, Aug. 24–31, 1988.

[Continued on back page.]



Rural Sociological Society Meeting Held

"Rural Society: The Next Fifty Years" was the theme of the Rural Sociological Society's annual meeting, Aug. 19–23, in Athens, Ga.

A broad range of session topics included economic recession and decline, rural health research, employment and economic change, rural sociology and biotechnology perspectives, relationships between farm and other economic sectors, and gender, race, and demographic trends.

The following ERS staff participated:

Paper authors: Linda Ghelfi, Robert Hoppe, Mary Killian, Timothy Parker, Linda Swanson, and Leslie Whitener.

Session moderator: Calvin Beale.

Panel participants: Susan Bentley, Robert Muñoz, and Leslie Whitener.

Business meeting presider: Peggy Ross.



Administrator's letter, 3 Current research, 4 Personnel notes, 5 Highlights of staff activities, 7

United States and China Embark on Exchange Program

Under the U.S.-China Exchange Program, a U.S. team spent three weeks in China as guests of the Research Center for Rural Development, State Council.

ERS researchers John Dunmore and Francis Tuan, and Daniel Berman (USDA's Foreign Agricultural Service), James Houck (U. of Minnesota), and Ayse Somersan (U. of Wisconsin) visited officials in Beijing and provincial officials in Jilin and Guangdong.

As part of the exchange program, Xiaojing Dai (Department of the Research Center for Rural Development), is spending six months in ERS. [See "China's Xiaojing Dai Spends Six Months in ERS," below.] In addition, four of Dai's staff will be visiting ERS during October – December.

China's Xiaojing Dai Spends Six Months in ERS



Xiaojing Dai, Deputy Director of the Statistics-Analysis Department, Research Center for

Rural Development, State Council, People's Republic of China, is in ERS for a six-month study program.

During his stay in ERS, Dai will work with the United States
Agricultural Policy Branch of ERS's Agriculture and Trade Analysis Division. He plans to study the U.S. agricultural policy process and issues resulting from adopted policies.

At the Research Center for Rural Development in Beijing, Dai has been involved in analyzing various policies and program options and has been assessing the effects of those policies and programs. He has published journal articles in China on production incentives, rural marketing, and the government's role in managing the economy.

ERS-U. of Maryland Seminars to Continue

ERS and the Department of Agricultural and Resource Economics, U. of Maryland, have announced the continuation of a joint seminar series into 1988/89. The purpose of the seminars is to share innovative policy analysis with the research profession and bring about a dialog on research issues. The monthly seminars will be held at noon on the first Friday of each month and will alternate locations between ERS and the U. of Maryland.

The first seminar in the 1988/89 series, which took place at ERS in September, was a discussion on "Understanding Land Price Variations," by Richard Just, U. of Maryland.

ERS's National Food Review Magazine Explains Commodity Programs

Understanding commodity programs is the theme of the latest (July-September) issue of ERS's quarterly magazine National Food Review. The need for a readable explanation has grown steadily, especially for agricultural firms and interested persons beyond the farm gate, including consumers. Aware of that need, the magazine's editor, Lewrene Glaser (786-3313), and her associates have compiled articles on several major programs, including those for peanuts, rice, dairy products, fruit and vegetable

marketing orders, and surplus disposal.

The articles on different programs, aided by a short section on definitions headed "It Helps to Know the Language," not only strip away many of the mysteries of commodity programs, but also help the reader understand what these programs might mean to different people and organizations, from farmers to consumers.

Economic Research Service Vol. 6, No. 5, October/November 1988

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The ERS Newsletter is published bimonthly and distributed free to ERS employees, colleagues, and retirees. Subscription requests and address changes (nine-digit zip code is required) should be addressed to: ERS Newsletter, ERS/USDA, Rm. 1212, 1301 New York Ave. NW, Washington, DC 20005-4788 (202-786-3310).

Administrator's Letter - Update on ERS's Outlook Program

situation and outlook analysis and reporting have been a mainstay of ERS's program since the creation of the Bureau of Agricultural Economics, our predecessor agency, in 1922. USDA's first agricultural outlook conference was held in 1923 under the BAE's sponsorship. Its long history notwithstanding, outlook work in ERS has changed dramatically over time in response to the

changing information needs of our government, agribusiness, and public clientele. As I've noted several times during my tenure as Administrator, I am strongly committed to making this good program even better.

We've undertaken several initiatives over the last two years. We reorganized to strengthen and expand work in the commodities area. Substantially more outlook work is under way on all aspects of commodity production and marketing than several years ago. This added investment is paying dividends in very visible ways, such as expanded outlook reporting, a stronger ERS role in USDA outlook

activities, and increased demand for outlook-oriented staff work to support policymaking and program management. The added investment is also reflected in less indirect ways such as subtle improvements in the analytic content of our work.

Outlook initiatives go beyond commodity work. We recently published the first issue of Agricultural Income and Finance, a new quarterly report designed to provide more timely information on a broad range of finance topics. We have also expanded and upgraded outlook reporting and analysis in the natural resource area. The consolidated Agricultural Resources, with five issues per year, provides timely information on land values, purchased inputs, technology, conservation, and water questions. And we've begun "internationalizing" our outlook analysis activities by increasing emphasis on world developments. This internationalization of our traditionally domestically focused reports complements ongoing reporting in the World Agriculture series.

Many of these changes have taken place during a drought year when forecasting has been particularly tough and demand for special analysis heavy. Our drought analyses provided the public and USDA's Office of the Secretary with a broad perspective and detailed information not available anywhere else. Despite the added work load, ERS's regularly scheduled information continued to come out on time, several new reports were undertaken, and the quality of our work remained high!

ERS's most important responsibility is to provide the information base for improved decisionmaking regarding agriculture and the rural economy. The improvements in our outlook program, combined with our special drought analyses, convince me that we are making a difference. We can all take pride in a job well done!

John Lee

Symposium Held on Bringing Agriculture into the GATT

The International Agricultural Trade Research Consortium recently sponsored a symposium, "Bringing Agriculture into the GATT," in Annapolis, Md. Three task force reports, prepared by teams of individuals from U.S. and foreign universities, governments, and private research institutions, were presented.

The first report examined the impact of reduced protection measures on the volume of world trade and on the prices of major agricultural commodities, and the effects of trade liberalization on consumers, taxpayers, and the agricultural sector in major industrial countries and other regional blocs.

The second report examined those aspects of policies that distort agricultural trade, policies to facilitate adjustment under freer trade, and alternative means of meeting policy objectives while lessening distortions in international markets.

The third report laid out a comprehensive framework for negotiating reductions in agricultural protection. This framework consists of three parallel approaches to the GATT negotiations on agriculture. The report also summarized case studies on reducing agricultural support in the developed and developing countries.

ERS staff provided significant input into the symposium. Copies of the task force report may be obtained from David Blandford, IATRC Chairman, Dept. of Agricultural Economics, Cornell U., 455 Warren Hall, Ithaca, NY 14853 (607-255-8187) or Stephen Magiera (786-1632). The consortium is funded by ERS and USDA's Foreign Agricultural Service.

Current Research

U.S. Congress Requests Six Studies

In the Disaster Assistance Act of 1988, the U.S. Congress has asked ERS to conduct three studies, one on soybean marketing loans, one on forward contracting, and one on agriculture-related businesses and enterprises. [See "U.S. Congress Requests Rural Business and Enterprise Study," below.]

Also, the Omnibus Trade and Competitiveness Act of 1988 requests ERS to conduct three studies, one on import inventory, one on honey, and one on lamb meat imports.

ERS staff analysis coordinator Milton Ericksen (786-3309) is coordinating these studies.

U.S. Congress Requests Rural Business and Enterprise Study

ERS staff are preparing a study of rural businesses and enterprises whose activities involve or are directly related to (1) production. processing, or marketing of agricultural commodities or products, or (2) servicing the business and home needs of U.S. farmers and ranchers. The study is to determine the extent to which such businesses are being adversely affected, directly or indirectly, by drought. The study is in response to the Disaster Assistance Act of 1988. The Secretary of Agriculture will submit a report to Congress in November.

The study will trace the development and spread of the 1988 drought and assess its impact on production and ending stocks of major agricultural commodities. ERS researchers will then examine the drought's impact on GNP, employment, and consumer prices.

A more detailed impact assessment will be made for each of the major components of the food and fiber sector including farming, farm inputs, food processing and marketing, transportation, and credit institutions.

The study also will address the impacts on rural communities. Counties affected by the drought will be looked at, with emphasis on their location, economic structure, and recent trends in population, employment, and income. The final part of the study will discuss implications for the food and fiber system. ERS economist Thomas Carlin (786-1527) is coordinating the study.

Subsidized Water Slakes Thirst of Commodity Program Crops

Concerns about the consistency of Federal agricultural programs and policies are not new. However, in these days of Federal budget tightening, potentially costly program inconsistencies are coming under increased scrutiny.

ERS researchers Michael Moore and Catherine McGuckin (786-1410) looked at the costs of one of these apparent inconsistencies, the use of irrigation water provided by the Bureau of Reclamation in western regions for production of crops covered by USDA commodity programs. Preliminary estimates of 1986 Federal expenditures directly benefiting producers growing program crops with Federal irrigation water (who also participated in USDA commodity programs) were \$80 million on Federal irrigation water and \$400 million to \$500 million on commodity programs. Rice and Upland cotton payments in the Bureau of Reclamation's Mid-Pacific Region comprised over 40 percent of estimated total commodity program payments to Federal water

users, while corn payments in the Missouri Basin Region comprised over 20 percent.

Nonmetro Population Declines

The population of nonmetro counties declined faster during 1983 - 86 than during 1980 - 83. according to ERS demographer Calvin Beale (786-1534) and Irma Elo (Princeton U.). Beale and Elo have been analyzing nonmetro population trends since 1980. During 1983 - 86, more than half of all nonmetro counties experienced a decline in population similar to that of the 1960's. Widespread declines during 1983 - 86 were especially evident in agricultural and mining counties, indicating the failure of these areas to participate in the national economic recovery trend of that period.

Quality-of-life goals seemed to motivate people moving into nonmetro areas in the 1970's. Beale and Elo looked at residential preference polls to determine whether the lower nonmetro population growth of the 1980's is associated with any change in such preference. They found that a series of Gallup polls indicates a rise in preference for large cities in the 1980's. However, millions of people living in urban areas still say they would prefer to live in a rural area or small town.

Many Factors Affect Farmers' Land Improvement Decisions

What are the economic factors that determine farmers' investments in land improvements, including soil conservation measures, drainage, and land clearing? Previous studies of these factors have focused either on characteristics of farm operators or on farm operating budgets.

A soon-to-be-released study by ERS staff Elizabeth Nielsen John Miranowski, and Mitchell Morehart (786-1801) uses national data to consider the aggregate impacts of expected farm income, interest rates, land set-aside programs. farmland prices, cost-share subsidies, and land characteristics on land improvement investment decisions. This new approach allows comparisons between (1) the impacts of Federal and State incentives to stimulate conservation and land improvement investments and (2) the impacts of other economic and public policy forces that influence farmer decisions

Financial Well-Being of Farmers Studied

ERS economists Mary Ahearn (786-1801), Susan Bentley, and Thomas Carlin report that the financial well-being of farmers varies with the local economy's dependence on farming. The researchers found that farmingdependent counties (where farming contributed at least 20 percent of the county's total earnings in 1980 - 84) have limited nonfarm employment opportunities. Farm operators in farming-dependent counties tend to earn higher farm incomes than farm operators in other areas because the former specialize in producing crops included in farm commodity programs. However, declining land values have lowered the equity position of farm operators in farming-dependent counties.

In contrast, farms in counties not so dependent on agriculture are smaller, produce a greater quantity and variety of crops, rely less on farming for income, and have better equity positions. Average farmland values tend to be higher because farming competes with other business, residential, and recreational land uses.

Personnel Notes

McGranahan Is New Branch Chief in ARED



David
McGranahan
is the new
chief,
Human
Resources
Branch,
Agriculture
and Rural

Economy Division.

McGranahan joined ERS's former Economic Development Division in 1980 as a member of the Regional Analysis Section. He later moved to the Population Section where he was leader of the social indicators project and in 1985 was named leader of the Rural Labor Markets Section.

McGranahan has published numerous papers focusing on changes in the age structure of the population, rural economic and social trends, and most recently, the role of rural workers in the national economy. He was a member of the original Rural Development Perspectives Editorial Board, and has been a coleader of the rural entrepreneurship project.

Prior to joining ERS,
McGranahan was engaged in
research for 10 years at the U. of
Wisconsin, where he worked on
human resource and industrial
development issues. He also
worked for the Peace Corps in
Venezuela where he helped form
rural and urban cooperatives. He
has also worked for VISTA and the
World Bank

McGranahan received a B.A. in economics from Harvard and an M.S. in rural sociology and a Ph.D. in sociology from the U. of Wisconsin. He has received four ERS Administrator's Special Merit Awards.

Reichelderfer Is Named RFF Fellow



Katherine
Reichelderfer,
associate
director,
Resources
and
Technology
Division, has
been

awarded a resident fellowship with the National Center for Food and Agricultural Policy at Resources for the Future. She will be working at the National Center in Washington, D.C., during Oct. 1988 – Apr. 1989.

The goal of Reichelderfer's fellowship project is to enhance the value of economic input to agricultural and environmental policy decisionmaking. She hopes to develop a policy analytical framework that merges the concepts of economic welfare, public choice, and adaptive expectations in a manner that fulfills strategic needs of decisionmakers while maintaining objectivity and professional credibility. The model will ideally be applicable to forthcoming policy debate concerning agricultural production and environmental quality.

U. of Illinois' Salamon in ERS



Sonya Salamon, visiting scholar from the U. of Illinois, is in ERS's Agriculture and Rural

Economy Division for the 1988/89 academic year. Salamon, an anthropologist, is a professor of family studies in the School of Human Resources and Family Studies.

Salamon has an M.S. in anthropology from the U. of California (Berkeley), and a Ph.D. in anthropology from the U. of Illinois (Urbana-Champaign). Her research has focused on Illinois farm families.

Salamon was awarded the first Rura! Sociological Society Policy Fellowship to broaden her expertise in rural policy issues. She is interested in the future of midwestern rural communities and how they must cooperate to survive, despite historical tendencies toward hostile rivalries. During her year in ERS, Salamon's research will include preparing a monograph on how family choices contribute to larger social issues such as the persistence of rural communities and the consolidation of farms.

RTD Hosts Visiting Scholar from Australia



Michael Young, an Australian agricultural resource economist, is a visiting scholar in ERS's

Resources and Technology Division during August – December 1988. Young completed his economics and agricultural science studies at Adelaide U. and subsequently joined the Commonwealth Scientific and Industrial Research Organization, where he is a senior research scientist in the Division of Wildlife and Ecology, working on soil erosion, rangeland management, and wildlife management.

For the past three years, Young has been on leave from his position in Australia, serving as the chief staff person at the Organization for Economic Cooperation and Development in Paris responsible for preparing OECD's forthcoming

report on the integration of agricultural and environmental policies. This topic is of current concern in the United States, where evidence of agriculture's impact on the environment is growing. Working with staff in ERS and the U.S. Environmental Protection Agency, Young will write a report comparing and contrasting other countries' approaches to this problem, with a focus on their possible applicability to the U.S. context.

ERS Economist Vo Dies

De Huu Vo, 46, agricultural economist in the Developing Economies Branch, Agriculture and Trade Analysis Division, died July 28 in Fairfax, Va.

Prior to joining USDA/ERS in 1984, Vo was a member of the faculty at Virginia State U. (1978–84), an assistant research scientist at the U. of Florida (1975–78), and a lecturer/researcher at Saigon Polytechnic U. (1966–71).

Vo did research on the fruit, vegetable, and livestock industries; regulation reform within the U.S. trucking industry; import demand and government intervention; and competitiveness in agriculture.

Born in Saigon, Vietnam, Vo had a B.S. summa cum laude from Saigon Polytechnic U., an M.S. from the Graduate School of Business Administration, Vietnam, and a Ph.D. from the U. of Florida.

ERS Alumni News

[We invite ERS alumni to write to us at the address on page 2 about what they or other alumni are doing, where they are living, etc.]

ERS retiree William Lagrone is with B&B Farm and Ranch Consulting Service at 1427 Lebanon Road, Nashville, TN 37210.

Highlights of Staff Activities

Agriculture and Rural Economy Division

At a Western Agricultural Economics Association meeting in Honolulu, Hawaii, Ronald Babula presented a paper. "Contemporaneous Correlation and Modeling Canada's Imports of U.S. Crops," and Chinkook Lee and Darryl Wills presented a paper. "Effects of Dollar Depreciation on Agricultural Prices and Incomes" Lee also presented a paper. "Changing Nature of U.S.-Korea Agricultural Trade: Development Perspective," at a Korea-America Economic Association convention in Seoul, Korea • Lowell Dyson discussed the role of historians as both chroniclers and advisers on USDA's "A Better Way" television program • Norman Reid briefed a group of State rural information coordinators on ERS's programs and products • and Sherman Robinson (visiting scholar from the U. of California, Berkeley) organized a hands-on CGE (computable general equilibrium) modeling workshop for ERS researchers and representatives from other U.S. Government agencies.

Agriculture and Trade Analysis Division

At a Western Agricultural
Economics Association meeting in
Honolulu, Hawaii, Carlos Arnade
and Praveen Dixit presented a
paper, "Testing for Money Illusion in
Import Demand Functions," and
Arnade and Mary Burfisher
presented a paper, "Income Effects
of Dollar Depreciation and U.S.
Farm Exports to Developing
Countries" • Arthur Dommen was a
rapporteur on socioeconomic
issues at an International
Conference on Dryland Farming, in

Amarillo, Tex. • and George Gardner, John Parker, and Patricia Scheid traveled to Egypt on a technical assistance mission.

Commodity Economics Division

Edward Allen discussed wheat demand and supply estimates with wheat industry representatives in Minneapolis, Minn. • Allen, Joy Harwood, and Sara Schwartz traveled in North Dakota, South Dakota, and Minnesota to assess wheat crop conditions . Boyd Buxton, Catherine Greene. Frederic Hoff, and Ben Huang exchanged information on fruit and vegetable production and marketing with a representative from the extension service in Malawi and a producer group from Gambia • Buxton, Hoff, and Huang also exchanged information on citrus production and marketing with a delegation from China • James Cole participated in a Midwest crop inspection tour sponsored by the Illinois Farm Bureau . Cole and Richard Stillman briefed U.S. Agency for International Development staff on impacts of the drought on U.S. international obligations • Richard Fallert spent three weeks in France, Belgium, the Netherlands, and the Federal Republic of Germany studying European Community dairy developments and U.S. competitiveness in world dairy markets . Joseph Glauber and Edward Glade discussed FRS research with officials of the American Cotton Shippers Association and the National Cotton Council and attended a meeting of USDA's Advisory Committee on Cotton Marketing, in Memphis, Tenn. • Roger Hoskin represented USDA at the Soybean Economists' Roundtable of the American Soybean Association, in St. Louis, Mo. • Doyle Johnson participated in a conference on floriculture marketing opportunities at Cornell

U. . Mack Leath and Stephanie Mercier participated in a workshop on enhancing grain quality for foreign and domestic trade • Lester Myers represented ERS at a Federal interagency committee meeting on nutrition monitoring • Patrick O'Brien discussed the drought and disaster assistance with the National Credit Union Advisory Council in Souix City, Iowa • Tanya Roberts participated in a National Center for Health Statistics data users conference • James Schaub. Edward Allen, Roger Hoskin, Janet Livezey, and Larry Van Meir reviewed U.S. grain and oilseed production and export capacities with a Japanese delegation • and Leland Southard participated in a Midwest Outlook Conference at the U. of Missouri, in Columbia, Mo.

Resources and Technology Division

David Ervin presented a seminar on ERS research in the areas of conservation compliance and water quality to the 1990 Farm Bill Conservation Initiatives Work Group, which is gathering information on Federal and other research efforts that may be useful in developing conservation initiatives for the 1990 farm bill • at the American Water Resources Association's "Symposium on Water Use Data for Water Resources Management." in Tucson, Ariz., Noel Gollehon presented a paper, "Consumptive Use Estimates in Regional Policy Reseach." Clayton Ogg presented a paper, "Effects of a Pumping Tax on Groundwater Demand by Irrigators," Timothy Osborn presented a paper, "Resource Management Value of Water Use Data," and Marcel Aillery made a poster presentation, "Impact of Federal Cost-Sharing on Irrigation Water Use under the Second Arizona Groundwater Management

[Continued on back page.]

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["Highlights" continued from page 7.]

Plan (1990-99)" • and Philip Szmedra participated in an NCR-157 Conference on Sustainable Agriculture, in St. Louis, Mo.

Office of the Administrator

Edward Reinsel, Mary Ahearn (ARED), Thomas Carlin (ARED), and Robert Reinsel (ATAD) discussed farm definition and classification issues with representatives from Agriculture Canada, USDA's National Agricultural Statistics Service, and the U.S. Bureau of the Census.

["AAEA" continued from front page.]

Agricultural Economics, Canberra, Australia), and Kelley White.

Poster paper presenters: David Ervin, Joseph Glauber, Richard Heifner, Katherine Reichelderfer, and Tanya Roberts.

In addition, John Lee presided at the ERS-sponsored luncheon, Ann Fleming received an AAEA Outstanding Master's Thesis Award for "Spatial Economic Analysis of the Impact of Reverse Osmosis Filtration on the Grade A Milk Market," James Horsfield demonstrated ERS's FINDERS Advisory System, and Lindsay Mann managed the ERS display booth.

["XX ICAE" continued from front page.]

The following ERS staff were participants:

Invited paper authors: John Miranowski and Vernon Roningen.

Invited papers session chairman: John Lee.

Invited paper discussants: Barbara Chattin and Stephen Magiera.

Contributed paper authors:
Carlos Arnade, Nicole Ballenger,
Mary Burfisher, Cecil Davison, Barry
Krissoff (2), Douglas Maxwell,
Margaret Missiaen, Nancy
Schwartz, Robbin Shoemaker, Brian
D'Silva, De Vo, and Thomas
Vollrath.

Contributed papers session chairman and referee: Kelley White.

Contributed paper discussants: Praveen Dixit, Robert Dubman, Carol Goodloe, Robert Koopman, Mark Newman, Brian D'Silva, David Skully, and Gene Wunderlich.

Contributed papers session rapporteur: Chinkook Lee.

Discussion group consultant: Gene Wunderlich.

Discussion group rapporteur: Carl Mabbs-Zeno.

Poster paper authors: Margot Anderson, Nicole Ballenger, Robert Christiansen, John Day (2), Michael Dicks, Praveen Dixit, Robert Dubman, James Duffield, Ellen Fitzpatrick, Walter Gardiner, Carol Goodloe, Stephen Hiemstra, Robert Koopman, Chinkook Lee, Hyunok Lee (2), Carl Mabbs-Zeno, Richard Nehring (2), Mark Newman, Robert Reinsel, Vernon Roningen, Stacey Rosen, Mathew Shane (2), Shahla Shapouri, Brian D'Silva, David Skully, Agapi Somwaru, Kenneth Weiss, Darryl Wills, and Gene Wunderlich.